Secrt. H-27—95,606 31 10 50.

Public Works (195-2) Department.

Ms SERIES.

G.O. NO. 3100

Dated 21.7.52

closed
Mss
29/7/52

[Despatch Abstract.]

Electricity — Restriction of Control - Mangalore Electric Licence - Addition of further loads - Imposition of restrictions - Approved.

Tel:"Electricity". Electricity Department.

From
Sri K.V. Karantha, M.A., M.I.E.,
Chief Electrical Inspector
to Government, 157, Mount Road,
Madras.2.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
Madras-9.

No. 694 K/R&C/52-5 dated 5-7-1952.

Sir,

Sub: Electricity - Restriction and Control - Mangalore Electric Supply Company Limited - Mangalore - Maximum Demand on Generating Station - Imposition of Restrictions.

Ref: Letter No. MAN/464/67/B dated 18-3-52 from M/s. Mangalore Electric Supply Company Limited, Mangalore.
G.O.No.MS. 4112 dated 11-10-51.

****

I enclose herewith a copy of the above cited letter for information of Government. It may be kindly noted therefrom that the licensee's Maximum Demand has reached the firm capacity of the power house and hence the licensee cannot connect up any new or additional loads in his area until such time as further generating sets are installed in the company's power house. In the circumstances, the licensee requests that a ban may be imposed in his area on connecting up of any further load whether domestic or industrial excepting loads of a very essential and special nature duly certified as such by the Collector and District Magistrate, South Canara or any other authority whom the Government considers fit for the purpose.

In G.O. No. MS. 4112 dated 11-10-47 Government authorised the Chief Electrical Inspector to Government under section 3 of the Madras Essential Articles Control and requisitioning (Temporary Powers) Act 1949 to enforce restrictions in the areas of self-generating licensee's in accordance with any scheme of restrictions which may from time to time be sanctioned by the State Government to meet the power shortage in the said areas. I therefore request Government's approval for imposing a ban as detailed above.

Yours faithfully,

Chief Electrical Inspector 8.7.52
to Government.

vv.7.7.

Copy of letter No. MAN/464/67/B dated 18-3-1952 from The Mangalore Electric Supply Company Limited, Mangalore, to the Chief Electrical Inspector to Government, 157, Mount Road, Madras-2.

****

Electricity - Restriction & Control - Maximum Demand on Generating Station - Imposition of Restrictions sought.

****

I have to report to you that a stage has now been reached when no further load, either domestic or industrial, can be taken on the generating station as the maximum demand has reached a figure beyond the effective firm capacity of the Generating Station. To enable you to assess the position, I give below the ratings of the sets and the maximum load that can safely be taken on each set as has been found in practice.

Engine No.	Engine Rated capacity.	Alternator Rated Capacity.	Maximum Output.
No.I Sulzer Set.	400 H.P.	250 K.Ws.	225 K.Ws.
No.II -do-	400 ,,	250 ,,	225 ,,
No.III -do-	500 ,,	250 ,,	250 ,,
No.IV Petter Set.	384 ,,	267 ,,	190 ,,
No.V -do-	384 ,,	267 ,,	190 ,,
Total:	2068 H.P.	1284 K.Ws.	1080 K.Ws.

Firm capacity when No. III set is under overhaul:- 830 K.Ws.

2 The maximum demand on the station has reached a figure varying between 860 and 875 K.Ws. at .8 Power Factor during the hours of 8 A.M. and 6 P.M. and a figure of 970 K.Ws. at .95 Power Factor during the hours of 6 P.M. and 10 P.M.

3 With the aforesaid demand and the actual load on the Station No I, II & III Sets are each working on an average of sixteen hours per day while No. IV and V Sets are each operating for twelve hours per day. It has also become necessary to work four sets between the hours of 8 A.M. and 6 P.M. and five sets during the hours of 6 P.M. and 9 P.M. to take the present load on the Station. It is unfortunate that No. IV and V Petter Engines cannot be loaded beyond about 190 K.Ws. as after that load they begin to 'hunt' sometimes and also give certain other troubles. These sets are also not suitable for working beyond twelve hours per day. You will, therefore, appreciate from the information given that it will not be feasible to take any further load of a permanent nature either from industrial or domestic consumers until such time as further generating plant is installed in the Company's Power House.

4 In the circumstances, I request you to recommend to Government for stoppage of all further load, domestic and industrial coming up in future and only permit some small loads of an essential nature as may be certified either by the Collector and Dt. Magistrate, South Kanara or by any other authority whom the Government considers fit for the purpose. Pending issue of orders, I request you to kindly permit me not to forward to you any further applications for the supply of energy as several applications both for industrial and domestic purposes are pending.

5 I request you to kindly let me know what procedure should be adopted for the cancellation of those applications and to inform the consumers of the position.

(True Copy)

V. Thangavelu 87

ASSISTANT ENGINEER (RESTRICTION)

P.W.D.(P.3.).

G.O.Ms.No. 3100 d/21.7.52

Sub:-ELECY.- Restriction and Control--Mangalore Electric licence-e Addition of further loads--Imposition of restrictions--Approved.

Read:-G.O.No. 4112 P.W. dated 11-10-1951.
From the C.E.I.G. No. 694 K/R&C/52-5 dated 5-7-1952.

The Govt. approve the proposal of the C.E.I.G. to impose a ban in the area of supply of the Mangalore Elec. license on the connecting up of any further loads, whether domestic or industrial, excepting loads of a very essential and special nature which will be decided by the CEIG.

2. The restrictions will be enforced by the C.E.I.G. under the powers delegated to him in G.O. No. 4112 P.W. dated 11-10-1951.

To the C.E.I.G.
Copy to the C.O.E.(S).
Copy to the D.M.South Kanara.
'E' Section

NOTE: Please see the C.E.I.G.'s letter on pp. 1-3 c.f. In the circumstances stated by him, his proposal to impose a ban in the Mangalore licensee's area may be approved.

2. The C.E.I.G. has not specified the authority who should certify the essentiality of the loads. Perhaps it may be left to the C.E.I.G. himself to judge the essentiality of the loads.

3. The draft above is for approval.

SECRETARY TO GOVERNMENT
19 JUL 1952

7

Electricity Department.

From
The Chief Electrical Inspector
to Government, 157, Mount Road
M a d r a s - 2.

To
M/s. Mangalore Electric
Supply Co. Ltd.,
Mangalore.

SECRETARY TO GOVT. 4 AUG 1952 64569 PUBLIC WORKS DEPARTMENT

No. 694 K/R&C/52-8 dated the 1st August, 1952

Dear Sirs,

Sub: Ban imposed on the Mangalore Electric Supply Co. ltd., in complying with requisition for supply or additional supplies of Electrical energy.

p3 below

In enclosing 6 copies of the notifacation under the Madras Essential Article Control and Requisitioning (Temporary Powers) Act, 1949, I would request you to kindly paste them on the notice boards and advise the applicants for new or additional power suitably.

As far as possible, pending applications in respect of which sanction has already been received and work has been started, may be complied with before this order comes into force.

All essential cases and those of a special nature may be referred to this office for orders. Doubtful cases may also be referred.

Yours faithfully,

Chief Electrical Inspector
to Government.

Copy to the Secretary to Government,
Public Works Department, Fort St. George, Madras.
Copy to the Collector, Mangalore, for publication of the notification in the next issue of the District Gazette.
Copy to the Chief Engineer for Electricity, Madras - 2.
Rs. 1/8.

b4765
~~b4583~~
4/8/52.

9

OFFICE OF THE CHIEF ELECTRICAL INSPECTOR TO GOVT.
157, MOUNT ROAD, MADRAS - 2.

NOTIFICATION UNDER MADRAS ESSENTIAL ARTICLES CONTROL AND REQUISITIONING (TEMPORARY POWERS) ACT 1949.

****

Not part wp

Whereas in Public Works Department G.O. Ms. No. 4112 Dated 11.10.1951, the Chief Electrical Inspector to Government has been authorised to regulate the supply of electrical energy under Section (3) of the Madras Essential Articles Control & Requisitioning Temporary Powers Act, 1949 (Madras Act XXIX of 1949) in the area of self Generating licensees and whereas in G.O. Ms. No. 3100 dated 21.7.1952 the Chief Electrical Inspector to Government has been authorised to impose a ban in the area of supply of the Mangalore Electric~~al~~ Licence on the connecting up of any further loads, whether domestic or industrial excepting loads of a very essential and special nature which will be decided by the Chief Electrical Inspector to Government, in exercise of the said powers, I, Sri. K.V. Maranthe, the Chief Electrical Inspector to Government hereby make the following order:--

ORDER:

The Mangalore Electric Supply Company Limited, Mangalore shall not comply with any requisition for electricity supply, resumption in supply or increase in supply whether ~~sanctioned~~ or otherwise, excepting supplies for very essential purposes or of very special nature, as may be decided by the Chief Electrical Inspector to Government.

already

This Order will take effect from 15..8..1952.

P.W.D. P3z
May be filed with G.O.Ms.

Maranthe
CHIEF ELECTRICAL INSPECTOR
TO GOVERNMENT.

00 P.W. of 21.7.52 at (W)

6.8.52

5.8.52

B. 1/8.

Copy to P.W.D. Madras.

Office of the Chief Electrical Inspector
to Government, 157, Mount Road, Madras 2.

Post copy of Express Telegraphic Message No.694 K/[illegible]/52-8, d/6-8-52.

6798 DISTRICT COLLECTOR MANGALORE/ ELECTRIC COMPANY MANGALORE REPEAT

PUBLIC WORKS DEPARTMENT 8 AUG 1952

THIS OFFICE No.694 K/R&C/52-8 DATED 1-8-52 PLEASE DO NOT PUBLISH THE NOTIFICATION STOP PROPOSALS TO BAN CONNECTIONS BEING RECONSIDERED OWING TO UNEXPECTED IMPROVEMENT IN POWER POSITION

"ELECTRICITY"

C.E.I.G.'s further report may/True copy/

---

for Chief Electrical Inspector
to Government.

To

The District Collector, Mangalore.

The licensee reports that some improvements works on engines that has been carried out has resulted in the unexpected improvement in the power position. The ban proposed is not therefore necessary at the moment. The position is being watched and any action that may be necessary will be taken in due course.

p.t.o.

12

Copy to the Secretary to Government, Public Works Department, Madras, with a copy of licensee's letter No.MAN.1553/67/3, dated 2-8-52. 13 below

Encl: 1.

Copy to the Chief Engineer for Electricity, Madras 2, with a copy of licensee's letter for information.

gp/6.8.

--ooo--

13

Copy of letter No. MAN/1553/67/3 dated the 2nd August, 1952 from The Mangalore Electric Supply Company, Ltd., Mangalore addressed to the Chief Electrical Inspector to Government, 157, Mount Road, Madras 2.

RESTRICTION AND CONTROL - PROPOSAL TO DEFER TOTAL BAN ON NEW CONNECTIONS

--

With reference to the correspondence resting with your letter No. 694 K/R&C/52-4 dated 5.7.1952, I have to inform you that as a result of some work carried out on the Engines, particularly the two 267 K.W. Petter Engines, it now appears possible to load these two units almost upto full load. The power position as outlined in this office letter No. Man/464/67/3 of the 18th March, 1952 appears, therefore, to have materially altered.

Consequently, even after allowing for reasonable standby during peak load hours, it may become possible for this company to connect some small domestic load on a restricted basis, pending the installation and commissioning of the new 500 K.W. set by Government.

It therefore appears unnecessary just now to impose a total ban on new connections. The position is being watched and details of how much additional load, if any, that can now be connected are being worked out. I expect to be able to submit definite proposals in this connection in about a week or so.

In the meanwhile, I would request you to kindly address the Government to defer the issue of orders totally banning new connections so that, if possible, inconvenience to consumers may be avoided.

--True copy--

Sd/ V. Sampanna 7/8
Assistant Engineer (Electrical).

Rs. 6/8.

TJS 7/8

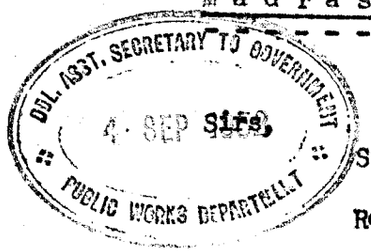
Tel: "Electricity". Electricity Department.

From
The Chief Electrical Inspector
to Government, 157, Mount Road,
M a d r a s - 2.

To
M/s. Mangalore Electric Supply
Company Limited,
Resident Engineer's Office, Mangalore.

74923

No. 694 K/R&C/52-11 dated 29-8-52.



Sirs,

Sub: Electricity - Power Position in Mangalore Licensee's area.

Ref: Your letter No. MAN/1706/67/3 dated 20-8-52

****

In view of the changed power position in the Power House consequent to the reparirs carried out to the two Brush Petter Sets, I agree that the procedure that was followed before may be revimved.

It is a pity that the defect was not rectified earlier.

Yours faithfully,

for Chief Electrical Inspector to Government.

vv.30.8.52.

Copy to the Secretary to Government, Public Works Department, Fort St. George, Madras-9, with and Copy to the Chief Engineer for Electricity, Madras-2, with a copy of licensee's letter for information with reference to this Office No. 694 K/R&C/52-9 dated 6-8-52.

Copy of letter No. MAN/1706/67/3 dated 20-8-52 from the Resident Engineer, Mangalore Electric Supply Company Limited, Mangalore, to the Chief Electrical Inspector to Government, 157, Mount Road, Madras-2.

***

Sub: Electricity - Restriction & Control - Ban on new connections - Defering of.

Ref: Your No. 694 K/R&C/52-9 dated 6-8-1952 and No. 694K/R&C/52-10 dated 11-8-1952.

***

In paragraph 3 of this office letter No. Man/464/67/3 dated 18-3-1952 it was mentioned that the two Petter Sets (Nos. IV and V) with rated capacities of 267 K.W. each could not be loaded beyond about 190 K.W. each beyond which load they were found to "hunt". Previous attempts made to overcome the trouble, (including various suggestions made by the engine suppliers and visits by their erectors) had proved unsuccessful and the engines continued to work unsatisfactorily.

However the maximum demand on the station had been growing and had reached a figure beyond the effective firm capacity of the station. At the same time, in view of the previous experience with the attempts made to improve the working of these engines, there appeared little likelihood of success attending further efforts and it was felt that no undue risks should be taken of interruptions of supply to existing consumers by taking on yet additional load. The seriousness of imposing a total ban on new connections was fully realised, but under the circumstances then existing you will appreciate that the recommendation of such a ban was the only responsible course of action the company could have taken in the matter, however unpleasant this was to the company itself.

Subsequently, in view of further and continued trouble experienced with the engines the matter was again taken up every strongly with the engine suppliers, who agreed to send another of their erectors. He did not, however, arrive until the 23rd July 1952 which was some days after the receipt of your letter No. 694 K/R&C/52-4 dated 5-7-1952 in which you mentioned that the question of banning new connections had been referred to Government.

After a thorough examination and overhaul of both the Petter sets, the erector altered the makers' settings of the fuel pump racks which improved the fuel atomisation a great deal and it was found that the "hunting" disappeared and the engines worked unsatisfactorily at full load. I then carried out a number of full load tests for long periods lasting over a week and satisfied myself that the engines could now be loaded very nearly to their rated capacity for reasonably long periods without undue risk. In consultation with the erector a maintenance programme, considerably more intensive than that recommended by the makers in their Instruction Book, was drawn up as an additional precautionary measure and it was only after making sure that there had been a materials improvement in the overall power position that the proposal to defer the proposed ban was made in my letter No. Man/1553/67/3 dated 2-8-1952.

p.t.o.

It may be mentioned that for nearly a month now after the work carried out on the engines they have been behaving quite satisfactorily on near full load for reasonably long periods.

The position now is that, with an increased firm effective capacity of nearly 1000 K.W. (with one unit as standby), the anticipated evening summer peak could not only be carried on the station, but a small margin remains leaving scope for additional domestic load. The imposition of a total ban on this type of load can, in my opinion, be therefore be deferred until such time as the maximum peak approaches the firm capacity of the station. Judging from the normal rate of new connections and as far as can be foreseen it is not expected that such a ban will become unnecessary again for some 8 to 10 months by which time it is hoped that additional generating plant will have been installed.

I shall be obliged if you will therefore kindly confirm that applications for domestic supply received after 1-5-1952 and so far withheld may now be forwarded to you for sanction and that the procedure followed prior to the issue of this letter No. Man/467/67/3 dated 18-3-1952 generally may now be followed.

The possibility of taking on some small industrial loads may also be reviewed.

(True Copy)

3/6

Assistant Engineer Electrical

19 P.W.D, P3

T.M. No. 11798P | 52-1 dt 8/9/52

From To

Asst. Secy. to Govt. The C.E.I.G.

P.W.D

Sub:- Elecy- Restriction and control -
Mangalore Electric licensee- Ban on
new connections. (W)

Ref:- G.O. No. 3100 PW. dt 21.7.52.

— Your Lr. No. 694 K | Rfc | 52-11 dt 29.8.52 & TMLs.

—...— Mangalore Elec. Supply Co. Ltd

Please state whether the orders
issued in G.O. No. 3100 PW dt 21.7.52 may be
cancelled in view of ~~the~~ improvement in the ~~power~~ position in the Mangalore Electrical
Undertaking ~~substituting at present~~.

P.c. to go.

8/9/52

6.9.52

8.9.52

Electricity Department.

From
Sri. K.V. Karantha, M.A., M.I.E.,
Chief Electrical Inspector to
Government, 157, Mount Road,
M a d r a s - 2.

To
The Secretary to Government,
Public Works Department,
Fort St. George,
M a d r a s - 9.

SECRETARY TO GOVT.
23 SEP 1952
PUBLIC WORKS DEPARTMENT

79444

No. 694-K/R&C/52-12 dated 16.9.1952.

Sir,

Sub :: Electricity - Restriction and Control - Mangalore Electric Licence - Ban on New connections.

Ref :: Post copy of Telephonic Message No. 66798-P/52-1 dated 8.9.1952.

With reference to the above, Orders issued in G.O. Ms. No. 3100 Public Works dated 21.7.1952 may kindly be cancelled in view of the improvement in the Power Position in the Mangalore Electrical Undertaking. If any restriction is considered necessary later, the matter will be taken up with Government at the right moment.

Yours faithfully,

Chief Electrical Inspector to Govt.

Rs. 17/9.

22

Memo No P.W.D.R.

Sub:- Ebey - Rde - Mangalore Electric licenses -
Ban on new connections - ~~Orders on~~ G.o.Ms.
3100 PW dt 21.7.52 - cancelled. psd/(W)

Regd:- ~~ORDER~~ G.o.Ms. 3100 PW dt 21.9.52

From the C.E.I.G. Lr No 6914K/Rdl/52-12 dt 16.9.52

The orders banning the connecting up of new connections in the area of the Mangalore Electrical Undertaking issued in the G.o. cited ~~are~~ are cancelled psd/(W)

bdg
29/9/52

To the C.E.I.G.

After issue, may be filed with G.o.Ms 3100 PW. psd/(W)
dt 21/9/52

bdg
29/9/52

P.W.D.(P.3.).

Sub:- Elecy.--R&C--Mangalore Electric licence--
Ban on new connections--G.O.Ms.3100 P.W.
dated 21-7-1952--Cancelled.

--

Read:- G.O.Ms.3100 P.W. dated 21-7-1952.
From the C.E.I.G.Lr.No.694 K/R&C/52-12
dated 16-9-1952.

Memo.No. 66798P/52-2 Dated. 4/10/52

G.O.No. 3100 P.W. dated 21-7-1952 is hereby cancelled.

To the C.E.I.G.
To the C.O.E.(S).
Copy to the D.M.
South Kanara.
Copy to 'E' Section.

NOTE:- In G.O.No.3100 P.W. dated 21-7-1952, the Government approved the proposal of the C.E.I.G. to impose a ban in the area of supply of the Mangalore Electric Licence on the connecting up of any further loads, whether domestic or industrial, excepting loads of a very essential and special nature. ~~a decision regarding which was to be taken by the C.E.I.G.~~ The C.E.I.G. now reports that, in view of the improvement in the power position in the Mangalore Electrical Undertaking consequent on the repairs to the generating sets carried out by the licensee, no restrictions are necessary at present and that the orders in the above G.O. may be cancelled. The draft above is for approval. After issue, the papers may be filed with G.O.Ms.3100 P.W. dated 21-7-1952.